

Amendments to the Specification

Please add the following paragraphs after paragraph 7 on page 7:

FIG. 14A and FIG. 14B are graphs showing results of test run 6.

FIG. 15 is a graph showing results of test run 7.

FIG. 16A and FIG. 16B are graphs showing results of test run 8.

FIG. 17 is a graph showing results of test run 9.

FIG. 18A and FIG. 18B are graphs showing results of test run 10.

FIG. 19A and FIG. 19B are graphs showing results of test run 11.

FIG. 20A and FIG. 204B are graphs showing results of test run 1.

FIG. 21A and FIG. 21B are graphs showing results of test run 2.

FIG. 22A and FIG. 22B are graphs showing results of test run 3.

FIG. 23A and FIG. 23B are graphs showing results of test run 4A.

FIG. 24A and FIG. 24B are graphs showing results of test run 4B.

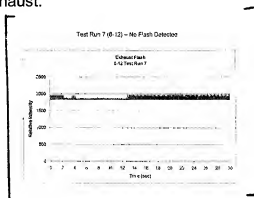
FIG. 25A and FIG. 25B are graphs showing results of test run 5.

FIG. 26 is a graph showing results of test run 6.

Please amend the first paragraph of page 26 as follows:

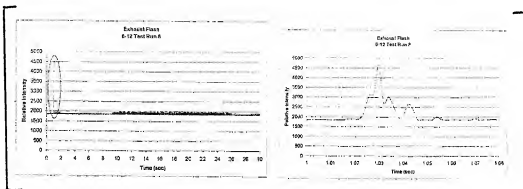
Exhaust flash was detected in test run 6 as shown by FIG. 14A and FIG. 14B with nozzle 2 and nozzle 5 displaying moderate to severe fouling out of the six nozzles present during turbine startup displayed at around 9 seconds into measurement circled on the graph[.] of FIG. 14A. The flash event was displayed in greater detail showing the response of the instant invention to the short duration of the presence of flame in the initial stages of fouling of the turbines six fuel nozzles with the flash clearly showing an

impulse response above the average intensity of the background radiation without the presence of flash in the exhaust.



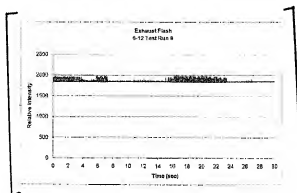
Please amend the second paragraph of page 26 as follows:

Subsequent test run 7 having similar nozzle condition failed to show any flash present with similar conditions[.], as shown by FIG. 15.



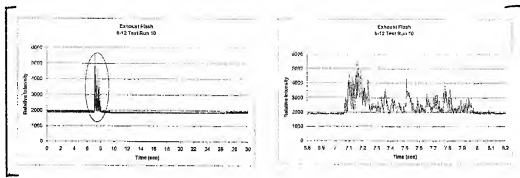
Please amend the third paragraph of page 26 as follows:

Test run 8 having nozzle 3 and 5 showing severe clogging and nozzles 2 and 6 showing partial clogging displayed a flash event of greater intensity[.], as shown by FIG. 16A and FIG. 16B. The intensity of the flash being relatively proportional to the overall condition of the state of the nozzles of the turbine.



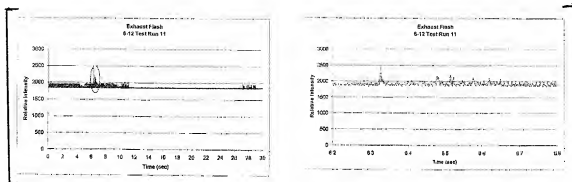
Please amend the first paragraph of page 27 as follows:

Test run 9 having similar nozzle condition to that of test 8 failed to register a flash event even though evidence of visual flash was recorded during testing[.], as shown by FIG. 17. Individuals conducting the tests visually determined the presence of flash. There was some confusion as to whether Test run 9 ever truly produced a visible flash.



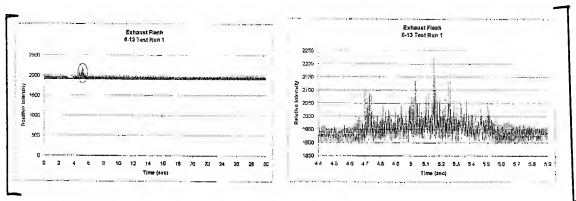
Please amend the second paragraph of page 27 as follows:

Test run 10[displayed above] has 4 of the 6 fuel nozzles moderately to severely fouled producing both a high intensity flash with a long duration[.], as shown by FIG. 18A and FIG. 18B.



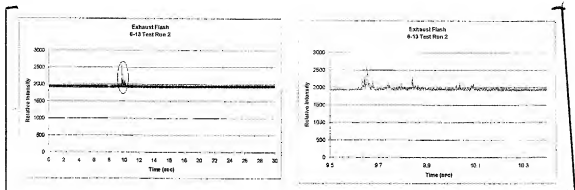
Please amend the first paragraph of page 28 as follows:

Test run 11 having similar nozzle condition to that of test run 10 has 4 of the 6 fuel nozzles moderately to severely fouled producing both a low intensity flash with a relatively long duration[.], as shown by FIG. 19A and FIG. 19B.



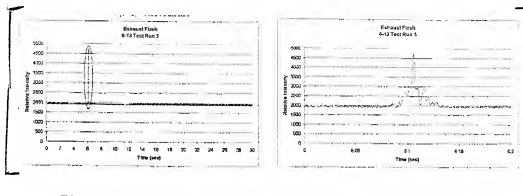
Please amend the second paragraph of page 28 as follows:

Test run 1,[displayed above,] as shown by FIG. 20A and FIG. 20B, conducted on the next day of testing had the same nozzle condition to that of previous test run 11 having 4 of the 6 fuel nozzles moderately to severely fouled producing both a low intensity flash with a long duration.



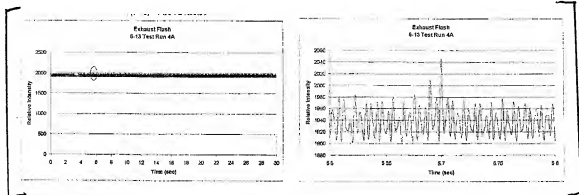
Please amend the third paragraph of page 28 as follows:

Test run 2, [displayed above,] as shown by FIG. 21A and FIG. 21B, conducted on the second day of testing had the same nozzle conditions to that of previous test run 1 having 4 of the 6 fuel nozzles moderately to severely fouled producing both a low intensity flash with a long duration.



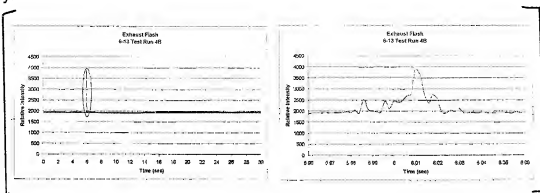
Please amend the first paragraph of page 29 as follows:

Test run 3, [displayed above,] as shown by FIG. 22A and FIG. 22B, conducted on the second day of testing had similar nozzle condition to that of previous test run 2 having 3 of the 6 fuel nozzles moderately to severely fouled producing both a high intensity flash with a short duration.



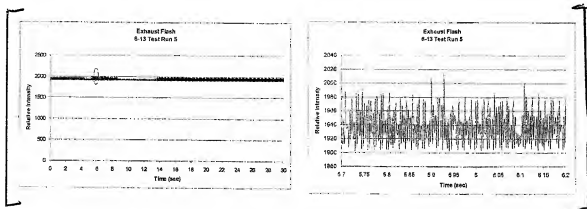
Please amend the second paragraph of page 29 as follows:

Test run 4A,[displayed above,] as shown by FIG. 23A and FIG. 23B, conducted on the second day of testing had 2 of the 6 fuel nozzles moderately fouled producing both a low intensity flash with a short duration that was detected by the optical sensor but not visually.



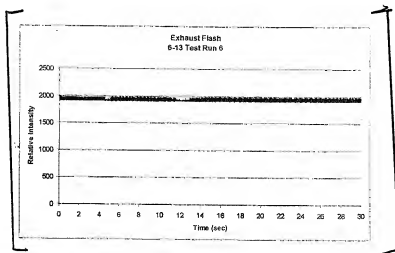
Please amend the third paragraph of page 29 as follows:

Test run 4B,[displayed above,] as shown by FIG. 24A and FIG. 24B, having nearly identical conditions to run 4A displayed a high intensity flash with a short duration.



Please amend the first paragraph of page 30 as follows:

Test run 5, [displayed above] displayed, as shown in FIG. 25A and FIG. 25B, having 4 of the 6 nozzles clean, with 2 partially fouled produced a low intensity flash of short duration.



Please amend the second paragraph of page 30 as follows:

Test run 6, [displayed above,] as shown in FIG. 26, had identical nozzle condition to test 5 and no flash was detected. The test data above is not intended to be the only potential embodiment and is only an initial test using one embodiment.